### STATE OF CONNECTICUT

## STATE OSHA ANNUAL REPORT (SOAR)

October 1, 2010 through September 30, 2011



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State of Connecticut
Department of Labor
Division of Occupational Safety and Health

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### DEPARTMENT OF LABOR DIVISION OF OCCUPATIONAL SAFETY AND HEALTH

### STATE OSHA ANNUAL REPORT (SOAR) FISCAL YEAR 2011

#### **EXECUTIVE SUMMARY**

The State of Connecticut Department of Labor Division of Occupational Safety and Health Public Sector Only State Plan (CONN-OSHA) submits this State OSHA Annual Report (SOAR) to the Federal Occupational Safety and Health Administration (OSHA) for evaluation of the State program.

The SOAR covers the time period October 1, 2010 through September 30, 2011. This submission is in accordance with the State Plan Policies and Procedures Manual dated March 21, 2001.

This SOAR contains the following sections:

- Executive Summary
- State Results Summary Chart
- Evaluation of Strategic Plan Accomplishment
- State Internal Evaluation Program (SIEP) Report

Fiscal Year 2009 was the first year of CONN-OSHA's five-year strategic plan. This report covers the Annual Performance Plan for October 1, 2010 through September 30, 2011 (FY 2011), the third year in the five-year plan.

CONN-OSHA projected 200 inspections would be conducted in FY 2011; however, only 52 percent of the goal was accomplished. A number of factors contributed to the project not meeting the goal including an overly optimistic projection on the ability of two new compliance officers who were hired during the end of FY 2010 to become fully trained and operational. Each of these compliance officers spent a considerable amount of time training at the OSHA Training Institute, as well as shadowing the experienced compliance officers. The number of inspections conducted by the veteran compliance officers suffered due to the time they spent training the new hires. Additionally, CONN-OSHA has been without a director since the retirement and subsequent passing of their previous director in the spring of 2009. Two program managers have been attempting to guide the entire division despite this critical position remaining vacant. Another factor that contributed to the project under-performing was the occurrence of a natural disaster that occurred in the state in late August. Tropical Storm Irene devastated many parts of Connecticut causing flooding, fallen trees, power outages and property damage. In the aftermath of the storm CONN-OSHA staff was dispatched to ensure worker safety during recovery efforts. Field staff assisted with work zone safety and hazard recognition, handed out PPE and reference materials and provided informal training while conducting 30 interventions. Finally, a double fatality that occurred in the latter part of FY 2010 required an extensive amount of resources that carried over into the current fiscal year.

CONN-OSHA projected 115 consultations would be conducted in FY 2011 and achieved 90 percent of the goal. Two factors contributed to the project not meeting their goal; the health consultant hired during the end of FY 2010 did not become fully trained and operational until well into the current fiscal year and the public sector consultants spent a considerable amount of time providing assistance to disaster recovery efforts in the aftermath of Tropical Storm Irene.

Following is a summary of the Annual Performance Goals in CONN-OSHA's FY 2011 Annual Performance Plan, as well as the strategies used to accomplish these goals. FY 2011 results are discussed in detail in the ensuing sections of this report.

Strategic Goal 1: Improve workplace safety and health for all workers, as evidenced by reducing hazards, exposures, injuries, illnesses, and fatalities.

- Annual Performance Goals 1.1 a: Reduce the average incidence rate for cases with Days Away, Restricted or Transferred (DART) by10 percent in the following Connecticut state government industries identified as high hazard: state hospitals, NAICS Code 622000; state nursing and residential care facilities, NAICS Code 623000; and state highway maintenance and repair operations, NAICS code 237310. In order to accomplish this goal, CONN-OSHA set intermediate outcomes of 25 percent of all inspections and 25 percent of all consultations to be performed in the targeted agencies.
- Annual Performance Goals 1.1b: Reduce the average incidence rate for cases with Days Away, Restricted or Transferred (DART) by 10 percent in the following Connecticut municipal government industries identified as high hazard: municipal public works street and highway operations, NAICS code 237310; municipal water, sewage and other systems, NAICS code 221300; and municipal waste management and remediation services, NAICS code 562000. In order to accomplish this goal, CONN-OSHA set intermediate outcomes of 25 percent of all inspections and 25 percent of all consultations to be performed in the targeted municipal departments.
- Annual Performance Goal 1.1 c: Decrease total fatalities in the public sector by focusing resources to the most hazardous industries. In order to accomplish this goal, CONN-OSHA planned to investigate fatalities within one work day of notification and focus a section of the CONN-OSHA Quarterly on fatality prevention.

Strategic Goal 2: Promote a safety and health culture through compliance assistance, cooperative programs and strong leadership.

- Annual Performance Goal 2.1: Workers in 100 percent of the municipalities where CONN-OSHA conducts training will indicate that their awareness of safe and healthful work practices has increased. As a means of accomplishing this goal, CONN-OSHA will conduct a minimum of seven training programs at municipal workplaces. This training will focus on keeping workers safe from the most hazardous operations and working conditions.
- Annual Performance Goal 2.1b: CONN-OSHA will increase employee safety and health awareness in state agencies where it conducts training. As a means of accomplishing this goal, CONN-OSHA will conduct seven safety and health training programs in state workplaces. This training will focus on keeping workers safe from the most hazardous operations and working conditions.
- Annual Performance Goal 2.1c: Increase public sector awareness of workplace safety and health by providing training, outreach and seminars based on needs. As a means of accomplishing this goal, CONN-OSHA will honor all requests from public sector workplace for training. The topics will be tailored to fit the workplace safety and health needs of the employees.
- Annual Performance Goal 2.1d: CONN-OSHA will maintain current Alliances with organizations that share its goal of reducing injuries and illnesses; additional Alliances that support CONN-OSHA's strategic goals will also be solicited. As a means of accomplishing this goal, CONN-OSHA will renew active Alliances that expire during FY20 11.
- Annual Performance Goal 2.2a: 100 percent of CONN-OSHA's onsite compliance and consultation activities will involve workers. In order to accomplish this goal, CONN-OSHA will ensure that workers are involved in 100 percent of its compliance and consultation activities.

## Strate2ic Goal 3: Maximize CONN-OSHA effectiveness and efficiency by stren2thenin2 its capabilities and infrastructure.

- Annual Performance Goal 3.1a: CONN-OSHA staff members complete at least one safety and/or health training course per year. To accomplish this goal every 23(g) staff member will be enrolled and complete at least one safety and/or health training course.
- Annual Performance Goal 3.1b: CONN-OSHA staff members will be provided the opportunity to attend at least one professional development course/seminar per year. To accomplish this goal every 23(g) staff member will be provided the opportunity to complete at least one professional development activity.
- Annual Performance Goal 3 .2a: Maintain the CONN-OSHA Local Emergency Management plan and revise when necessary. To accomplish this goal, CONN-OSHA planned to participate as team members, schedule training sessions, coordinate development and implementation of plan changes with state and local agencies, and monitor development and implementation of plan.

Strategic Goal 1: Improve workplace safety and health for all workers, as evidenced by reducing hazards, exposures, injuries, illnesses, and fatalities.

Performance Goals 1.1a,b: Reduce the cases with Days Away from work, Restriction, or job Transfer (DART) incidence rate by 10 percent in selected North American Industry Classification System (NAICS) codes by focusing on individual workplaces with high injury and illness levels and/or those occupations or practices that pose the greater risks to workers (e.g., state hospitals, state nursing & residential care facilities, state highway maintenance and repair operations, municipal public works – street & highway, municipal water, sewage & other systems, municipal waste management & remediation).

	T. 11. 4	D 11				Comments
Performance Indicator Type	Indicator	Results				
Activity Measures	The percent reduction in DART incidence rate from the baseline (2004-2006 average).	NAICS		04-06 Ave. DART	2010 DART	This goal will be evaluated at the conclusion of the five-year
		State Hospitals	622000	10.0	9.5	strategic plan.
		State Nursing & Residential Care Facilities	623000	9.9	14.5	
		State Highway Maintenance & Repair Ops.  Mun. Public Works – Street & Highway  Mun. Water, Sewage & Other Systems  Municipal Waste Management & Remediation	237000 237000 221300 562000	10.0 10.0 9.3 22.6	8.8 8.8 4.3 8.8	
Intermediate Outcome Measures	25 percent of all safety and health inspections will be performed in these state and municipal government industries.	There were a total of 103 inspections for FY 2011, of which 39 were performed in targeted state and municipal government industries. Therefore, 38 percent of all inspections were performed in the targeted industries, surpassing the goal of 25 percent.		Goal accomplished.		
Intermediate Outcome Measures	25 percent of all safety and health consultations will be performed in these state and municipal government industries.			Goal accomplished.		
Primary Outcome Measures	10 percent reduction in DART incidence rate.	See Results on Activity Measures above				

Strategic Goal 1: Improve workplace safety and health for all workers, as evidenced by reducing hazards, exposures, injuries, illnesses, and fatalities.

Performance Goal 1.1c: Decrease total fatalities in the public sector by focusing resources on the most hazardous industries.

Performance Indicator Type Indicator		Results	Comments
Activity Measures	The percent reduction in fatalities.		
Intermediate Outcome Measures	Investigate fatalities within one work day of notification.	There were three fatalities that CONN-OSHA investigated during fiscal year 2011 but only one was determined to be work-related.	
	CONN-OSHA Quarterly will include a fatality prevention aspect.	Each issue of the CONN-OSHA  Quarterly included a fatality prevention aspect.	Goal accomplished.
Primary Outcome Measures	The established baseline is 0.34 days (lapse time from date reported to inspection; 3 year average).	Average lapse time for date reported to inspection was 0.67 days.	Goal accomplished.

Strategic Goal 2: Promote a safety and health culture through compliance assistance, cooperative programs and strong leadership.

Performance Goal 2.1a: 100 percent of participating municipalities indicate positive change in safety and health awareness.

Performance Indicator Type	Indicator	Results	Comments
Activity Measures	The percent of participating municipalities that indicate positive change in safety and health awareness.	Post seminar surveys of participants indicate that safety and health awareness has been enhanced.	
Intermediate Outcome Measures	In an effort to improve safety and health awareness in municipalities CONN-OSHA will conduct seven seminars annually, 1-2 per quarter:  One confined space entry  One lockout/tagout  One material handling & ergonomics  One safe driving  One trenching & excavation  One work zone safety  One workplace violence  Post seminar questionnaires will be evaluated to determine the effectiveness of the seminars.	24 seminars were conducted in FY 2011 that 253 municipal employees attended. Topics included: 10-hour construction, confined space entry, construction site safety, Intro to OSHA, material handling & ergonomics, PPE/hazard communication, recordkeeping, safe driving, trenching & excavation, and work zone safety.  Lockout/tagout and workplace violence trainings were offered but no municipal employees chose to attend.	Goal accomplished.
Primary Outcome Measures	100 percent of participating municipalities indicate positive change in safety and health awareness.	100 percent of participating municipalities indicated that the seminars resulted in increased safety and health awareness in the workplace.	Goal accomplished.

Strategic Goal 2: Promote a safety and health culture through compliance assistance, cooperative programs and strong leadership.

Performance Goal 2.1b: Safety and health awareness is improved in each participating state agency.

	Indicator	Results	Comments
Performance Indicator Type			
Activity Measures	The percent of participating state agencies that indicate positive change in safety and health awareness.	Post seminar surveys of participants indicated increased safety and health awareness.	
Intermediate Outcome Measures	In an effort to improve safety and health awareness in state agencies CONN-OSHA will conduct seven seminars annually, 1-2 perquater:  One confined space entry One lockout/tagout One material handling & ergonomics One safe driving One trenching & excavation One work zone safety One workplace violence Post seminar questionnaires will be evaluated to determine the effectiveness of the seminars.	33 seminars were conducted in FY 2011 that 393 state government employees attended. Topics included: 10-hour construction, bloodborne pathogens, confined space entry, construction site safety, fall protection, intro to OSHA, lockout/tagout, material handling & ergonomics, powered industrial trucks, PPE, recordkeeping, safe driving, trenching & excavation, work zone safety and workplace violence.	Goal accomplished.
Primary Outcome Measures	100 percent of participating state agencies indicate positive change in safety and health awareness.	100 percent of participating state agencies indicated that the seminars resulted in increased awareness of safety and health in the workplace.	Goal accomplished.

Strategic Goal 2: Promote a safety and health culture through compliance assistance, cooperative programs and strong leadership.

Performance Goal 2.1c: Increase public sector awareness of workplace safety and health by providing training, outreach, and seminars based on needs.

Performance Indicator Type	Indicator	Results	Comments
Activity Measures	The percent of employers that indicate positive change in safety and health awareness.	Post seminar questionnaires completed by all employers at training, outreach, and seminars provided based on needs indicate an increased awareness of workplace safety and health.	
Intermediate Outcome Measures	Programs provided at the request of employers.	14 sessions were provided at the request of the employer.	Every request for training, outreach, and seminars was honored. Goal accomplished.
Primary Outcome Measures	100 percent of participating employers indicate positive change in safety and health awareness.	100 percent of employers indicated that the training, outreach, and/or seminar provided at their request increased the safety and health awareness of their employees.	Goal accomplished.

Strategic Goal 2: Promote a safety and health culture through compliance assistance, cooperative programs and strong leadership.

**Performance Goal 2.1d:** Current alliances that share and promote the goal of reducing injuries and illnesses will be maintained and additional alliances that support the strategic goals will be solicited.

	Indicator	Results	Comments
Performance Indicator Type			
Activity Measures	The number of alliances initiated.	There were no new alliances signed in FY 2011. The alliance with Prevent Blindness Tri-State was renewed in June.	
Intermediate Outcome Measures	CONN-OSHA will participate in training and outreach with alliance partners in order to improve their safety and health awareness.	CONN-OSHA provided 7 training seminars and participated in 5 outreach events with Alliance partners.	Goal accomplished.
Primary Outcome Measures	CONN-OSHA will renew current alliances that share and promote the goal of reducing injuries and illnesses and solicit additional alliances that support the strategic goals.	Alliances were renewed with organizations that address hazardous employment.	Goal accomplished.

Strategic Goal 2: Promote a safety and health culture through compliance assistance, cooperative programs and strong leadership.

Performance Goal 2.2a: 100 percent of CONN-OSHA onsite activities include a worker involvement component.

	Indicator	Results	Comments
Performance Indicator			
Type			
Activity Measures	The percent of CONN-OSHA onsite activities that include a worker involvement component.	Ensure worker involvement in all CONN-OSHA onsite activities.	
Intermediate Outcome Measures	100 percent worker involvement is attained each quarter.	100 percent worker involvement was attained each quarter in FY 2011.	Goal accomplished.
Primary Outcome Measures	100 percent of CONN-OSHA onsite activities include a worker involvement component.	100 percent of CONN-OSHA onsite activities included a worker involvement component in FY 2011.	Goal accomplished.

Strategic Goal 3: Maximize CONN-OSHA effectiveness and efficiency by strengthening its capabilities and infrastructure.

Performance Goal 3.1a: CONN-OSHA staff members complete at least one safety and/or health training course per year.

Performance Indicator Type	Indicator	Results	Comments
Activity Measures	The percent of staff completing at least one safety and/or health training course.		
Intermediate Outcome Measures	List of training courses attended by 23(g) staff members.	All staff: Machine Guarding training and Permit Required Confined Space webinar; All compliance staff: FOM training; [REDACED], [REDACED], Permit Required Confined Space training; [REDACED], [REDACED]: Arrest Systems; [REDACED], [REDACED]: Evaluation of Safety & Management Systems; [REDACED], [REDACED]: Intro to Health Standards for IH; [REDACED], [REDACED]: Consultation [REDACED]: Intro to Accident Investigation & Recordkeeping; [REDACED], [REDACED]: Investigative Interviewing Techniques; [REDACED], [REDACED]: Initial Compliance; Awareness for Industrial Hygienists; [REDACED]: Intro to Safety Standards for Safety Officers; [REDACED], [REDACED], Electrical Standards.	Goal accomplished.
Primary Outcome Measures	100 percent of CONN-OSHA staff completes at least one training course.	100 percent of CONN-OSHA staff completed at least one training course. Due to travel restrictions imposed by the Governor's Office most of the training was accomplished by webinar.	Goal accomplished.

Strategic Goal 3: Maximize CONN-OSHA effectiveness and efficiency by strengthening its capabilities and infrastructure.

Performance Goal 3.1b: CONN-OSHA staff members will be afforded the opportunity to attend one professional development class per year.

	Indicator	Results	Comments
Performance indicator Type			
Activity Measures	Percent of staff provided the opportunity to attend at least one professional development course/seminar.		
Intermediate Outcome Measures	List of professional development courses/seminars attended by 23(g) staff members.	Able: Interpersonal intelligence & leadership Burgum: Speaking survival kit Zinsser: Maximizing your memory	
Primary Outcome Measures	100 percent of CONN-OSHA staff is provided the opportunity to attend at least one professional development course/seminar.	100 percent of CONN-OSHA staff was afforded the opportunity to attend professional development courses/seminars.	Goal accomplished.

Strategic Goal 3: Maximize CONN-OSHA effectiveness and efficiency by strengthening its capabilities and infrastructure.				
Performance Goal 3.2a		cy Management plan and revise when necessar		
1 CI TOI Mance Goal 3.2a	Indicator	Results	Comments	
Performance		17.00		
Indicator Type				
Activity Measures				
	The maintenance and revision (when necessary) of the CONN-OSHA			
	Emergency Management Plan.			
Intermediate	Revise the plan when necessary.	There were no revisions of the plan	Goal accomplished.	
Outcome Measures		required.		
Primary Outcome Measures	Maintain and revise (when necessary) the plan.	The plan has been maintained.	Goal accomplished.	

#### EVALUATION OF STRATEGIC PLAN ACCOMPLISHMENT

Three strategic goals were established for the Connecticut Division of Occupational Safety and Health's (CONN-OSHA) five-year Strategic Plan. These three strategic goals are:

- Strategic Goal 1: Improve workplace safety and health for all workers, as evidenced by reducing hazards, exposures, injuries, illnesses, and fatalities.
- Strategic Goal 2: Promote a safety and health culture through compliance assistance, cooperative programs, and strong leadership.
- Strategic Goal 3: Maximize CONN-OSHA's effectiveness and efficiency by strengthening its capabilities and infrastructure.

A summary of CONN-OSHA's achievement of each of its five-year strategic goals follows:

Strategic Goal 1: Improve workplace safety and health for all workers, as evidenced by reducing hazards, exposures, injuries, illnesses, and fatalities.

### Outcome goal 1.1:

Reduce the number of worker injuries, illnesses and fatalities by focusing CONN-OSHA resources on the most hazardous workplaces.

### **Performance Goal**

1.1a,b Reduce the average incidence rate for cases with Days Away, Restricted or Transferred (DART) in the following Connecticut state and municipal government industries identified as high hazard: state hospitals, NAICS Code 622000; state nursing and residential care facilities, NAICS Code 623000; state highway maintenance and repair operations, NAICS code 237310; municipal public works – street and highway operations, NAICS code 237310; municipal water, sewage and other systems, NAICS code 221300; and municipal waste management and remediation services, NAICS code 562000.

## 1.1a,b Discussion of strategies used to support goal accomplishment and data used in measuring outcomes.

Strategies listed to support this goal are, "25 percent of all inspections and "25 percent of all consultations for safety and health will be performed in these state and municipal government industries". Data sources used to measure outcomes goal are Bureau of Labor Statistics (BLS) and Integrated Management Information System (IMIS).

### 1.1a,b Conclusion

The tables below show the results for FY 2011 for the intermediate and primary outcome measures. The project exceeded its goal of conducting 25 percent of inspections and consultations in targeted industries. Due to the potentially large fluctuations in public sector DART rates from year-to-year the goal of reducing DART rates in targeted industries will be evaluated at the conclusion of the five-year strategic plan. As noted in the table below several industries saw a reduction in their rates from last year while others increased.

### INTERMEDIATE OUTCOMES

Goal: 25 percent of inspections and consultations will be conducted in targeted industries.

COMPLIANCE INSPECTIONS			
Total Number of Inspections FY 2011	103 (Projected 200)		
Total Inspections and Percentage in Targeted Agencies 39 (38%)			
CONSULTATIONS			
Total Number of Consultations FY 2011	103 (Projected 115)		
Total Consultations and Percentage in Targeted Agencies	31 (30%)		

### **PRIMARY OUTCOMES**

Goal: 10 percent reduction in the DART incidence rate.

Targeted industry	NAICS code	2004-2006 Average DART Rate	2009 DART Rate	2010 DART Rate	Percent change 2009 to 2010
State Hospitals	622000	10.0	10.0	9.5	-5%
State Nursing & Residential Care Facilities	623000	9.9	9.9	14.5	46%
State Highway Maintenance & Repair Operations	237000	10.0	15.8	8.8	-44%
Municipal Public Works – Street & Highway	237000	10.0	15.8	8.8	-44%
Municipal Water, Sewage & Other Systems	221300	9.3	6.9	4.3	-33%
Municipal Waste Management & Remediation Services	562000	22.6	31.3	8.8	-72%

### 1.1c <u>Decrease total fatalities in the public sector by focusing resources to the most hazardous industries.</u>

### 1.1c Discussion of strategies used to support goal accomplishment and data used in measuring outcomes.

The strategies used to support goal accomplishment are to focus a section of the CONN-OSHA Quarterly to fatality prevention and investigate fatalities within one work day of notification. Data source used to measure outcomes is Integrated Management Information System (IMIS).

#### 1.1c Conclusion

The baseline was established as the average number of days of lapse time from date reported to inspection and is equal to 0.34 days. There were three fatalities that CONN-OSHA investigated during fiscal year 2011. Only one of these was determined to be work-related. A power plant operator died of compression asphyxia while working in an access vault. The other two fatalities were due to natural causes. The average lapse time was 0.67 days.

Each issue of the CONN-OSHA Quarterly included articles that addressed fatality prevention. All articles published in the Quarterly emphasize reducing injuries, illnesses and fatalities.

#### FATALITY/CATASTROPHE TRACKING REPORT

10/01/10 to 09/30/11

#### TOTAL NUMBER OF:

EVENTS REPORTED	=4
FATILITY INJURIES	=4
HOSPITALIZED	=0
NON-HOSPITALIZED	=0
INSPECTIONS CONDUCTED	=3
EVENT RELATED VIOLATIONS	=0
VIOLATIONS REPORTED	=0

### AVERAGE LAPSE TIME FOR:

DATE REPORTED TO INSPECTION	=0.67
INSPECTION TO CITATION ISSUE:	=0.00

Report includes: All OSHA 36 records within the specified date range.

Strategic Goal 2: Promote a safety and health culture through compliance assistance, cooperative programs and strong leadership.

#### **Outcome Goal 2.1:**

Participating state agencies and municipal governments enhance their safety and health management systems through improved safety and health awareness.

#### Performance Goal

### 2.1a 100 percent of participating municipalities indicate positive change in safety and health awareness.

### 2.1a Discussion of strategies used to support goal accomplishment and data used in measuring outcomes.

Strategies used to support this goal are stated as conducting seven seminars (approximately one-two per quarter) that address the most serious hazards in the identified industries. Data source to be used to measure outcomes was listed as post seminar questionnaires.

#### 2.1a Conclusion

Each of the seven seminars that were targeted were conducted, however, no municipal employees chose to attend the lockout/training and workplace violence seminars. A total of 24 seminars were conducted specific to the hazards found in municipal departments. According to surveys collected from the municipal employers, 100 percent reported that the seminars would help improve safety and health awareness.

### 2.1b Safety and health awareness is improved in each targeted state agency.

### 2.1b Discussion of strategies used to support goal accomplishment and data used in measuring outcomes.

Strategies used to support this goal are stated as conducting seven seminars (approximately one-two per quarter) that address the most serious hazards in the identified industries. Data source to be used to measure outcomes was listed as post seminar questionnaires.

#### 2.1b Conclusion

Each of the seven seminars that were targeted was conducted. A total of 33 seminars were conducted specific to the hazards found in state agencies. According to surveys collected from the state employers, 100 percent reported that the seminars would help improve safety and health awareness.

### 2.1c <u>Increase public sector awareness of workplace safety and health by presenting training,</u> outreach and seminars based on needs and requests.

### 2.1c Discussion of strategies used to support goal accomplishment and data used in measuring outcomes.

Strategies used to support goal accomplishment include conducting seminars as requested by employers, professional associations and/or union groups. Data source to be used to measure outcomes was listed as post seminar questionnaires.

#### 2.1c Conclusion

CONN-OSHA conducted 14 seminars specifically requested during FY 2011. The 14 seminars conducted were on a wide range of topics which included:

- Bloodborne Pathogens
- Confined Space Safety
- Fall Protection
- Lockout/Tagout
- Recordkeeping
- Safe Driving
- Trenching & Excavation

The primary outcome for FY 2011 was the number of seminars provided at the employer's request. CONN-OSHA met 100 percent of employer requests for training and provided information on all CONN-OSHA services at fourteen trade shows and conferences.

### 2. 1d <u>Current alliances that share and promote the goal of reducing injuries and illnesses will be</u> maintained and additional alliances that support the strategic goals will be solicited.

### 2.1d Discussion of strategies used to support goal accomplishments and data used in measuring outcomes.

Strategies used to support the goal accomplishment were to participate in training and outreach with current alliance partners, to renew current alliances that share and promote the goal of reducing injuries and illnesses, and solicit additional alliances that support the strategic goals.

#### 2.1d Conclusion

Alliance partner	Signing date	<b>Renewal Date</b>
Atlantic States Rural Water & Wastewater Association	9/7/07	9/15/10
Connecticut Association of Street & Highway Officials	10/4/07	8/30/10
Connecticut Business & Industry Association	4/25/03	4/25/05
Connecticut Highway Street Supervisor Association	5/25/04	9/15/10
Connecticut Interlocal Risk Management Agency	12/7/06	9/15/10
Connecticut Tree Protective Association	7/21/05	7/19/07
Department of Environmental Protection	10/19/05	9/15/10
Department of Transportation	3/4/09	N/A
Office of Apprenticeship Training	9/11/08	N/A
Prevent Blindness Tri-State	4/19/05	6/11/11
UCONN Technology Transfer Center	3/29/04	9/15/10

CONN-OSHA provided seven training seminars for its alliance partners. The project also participated in five conferences and/or trade shows with its alliance partners.

There were no new alliances initiated during fiscal year 2011 and one renewal (Prevent Blindness Tri-State).

### **Performance Goal**

### 2.2a <u>100 percent of CONN-OSHA onsite activities (e.g., inspections, consultation visits) will</u> include a worker involvement component.

### 2.2a Discussion of strategies used to support goal accomplishment and data used in measuring outcomes.

The strategy used to support goal accomplishment is stated as ensuring 100 percent worker involvement is attained each quarter. Data source used to measure outcomes is Integrated Management Information System (IMIS).

#### 2.2a Conclusion

IMIS and Federal reports confirmed that 100 percent of CONN-OSHA onsite activities included a worker involvement component.

## Strategic Goal 3: Maximize CONN-OSHA effectiveness and efficiency by strengthening its capabilities and infrastructure.

### Outcome Goal 3.1

Continue a steady course to strengthen both technical and professional skills and education of all CONN-OSHA staff.

#### Performance Goal

### 3.1a <u>CONN-OSHA</u> staff members complete at least one safety and/or health training course per year.

### 3.1a Discussion of strategies used to support goal accomplishment and data used in measuring outcomes.

Strategy used to support goal accomplishment is listed as 100 percent of CONN-OSHA staff completes at least one safety and/or health training course. Data used in measuring outcomes is listed as the percent of staff completing at least one training course.

The primary outcomes were stated as 100 percent of CONN-OSHA staff completes at least one training course.

#### 3.1a Conclusion

100 percent of CONN-OSHA staff completed at least one safety and/or health training course. Due to travel restrictions imposed by the Governor's Office most of the training was accomplished by webinar.

#### Performance Goal

### 3.1h CONN-OSHA staff will be provided the opportunity to attend at least one professional development course/seminar per year.

### 3.1b Discussion of strategies used to support goal accomplishment and data used in measuring outcomes.

Strategy used to support goal accomplishment is listed as 100 percent of CONN-OSHA staff will be provided the opportunity to attend at least one professional development course/seminar. Data used in measuring outcomes is listed as the percent of staff provided the opportunity to attend at least one professional development course/seminar.

The primary outcomes were stated as 100 percent of CONN-OSHA staff was provided the

opportunity to attend at least one professional development course/seminar.

#### 3.1b Conclusion

The entire CONN-OSHA staff was afforded the opportunity to attend at least one professional development course/seminar. The Human Resources Department notifies each employee via email when the new schedule of professional development courses is available. A catalogue listing the course descriptions and dates is provided.

### Performance Goal

#### 3.2a Maintain the CONN-OSHA Emergency Management plan and revise when necessary.

### 3.2a Discussion of strategies used to support goal accomplishment and data used in measuring outcomes.

The strategy used to support goal accomplishment is to maintain the CONN-OSHA Emergency Operations Plan and revise when necessary.

#### 3.2a Conclusion

The CONN-OSHA Emergency Operations Plan is monitored continuously. There were no revisions to the plan during fiscal year 2011. CONN-OSHA staff participated in the Connecticut Emergency Management Symposium. Team members continuously attend Local Emergency Planning Committee (LEPC) meetings throughout the year.

CONN-OSHA staff provided technical assistance to disaster recovery teams during the aftermath of Tropical Storm Irene. Field staff assisted with work zone safety and hazard recognition, handed out PPE and reference materials and provided informal training.

CONN-OSHA management also worked cooperatively with the local federal OSHA area offices as members of the Debris Management Task Force at the State Emergency Operations Center.

### STATE OF CONNECTICUT

### STATE INTERNAL EVALUATION PLAN

(SIEP)

### **FISCAL YEAR 2011**

### **EVALUATION REPORT**

### JULY 1, 2011 THROUGH SEPTEMBER 30, 2011

The State of Connecticut Public Sector 23(g) compliance and consultation programs submit this Evaluation Report of the State Internal Evaluation Plan (SIEP) for the fourth quarter of Fiscal Year (FY) 2011, which covers the period July 1, 2011 through September 30, 2011. The issues evaluated during this time period have been:

- Citation Processing
- Public Sector Consultation Turnaround Time.
- Assurance of Abatement of Hazards in Public Sector Consultations.

The primary tools utilized for this monitoring procedure were the State Activity Mandated Measures (SAMM) and the Inspection Summary Report for compliance and the Mandated Activities Report for Consultation (MARC) for consultation. The local ACE reports and queries, micro reports, host reports, state logs, on-the-job evaluations, and staff interviews supplement these on a weekly and/or monthly basis.

### **CITATION PROCESSING**

Lapse days from inspection to citation issued had been a long-standing concern at CONN-OSHA. The State has for many years monitored its performance in this area on at least a weekly basis through the use of host and micro reports.

The quarterly federal report, State Activity Mandated Measures (SAMM), continues to be used as the primary evaluation tool for this measure.

The SAMM reports for FY 2010 and FY 2011 showed the following data for this measure, "Average Number of Calendar Days from Opening Conference to Citation Issuance". The National Data for the same time frame is shown for comparison.

Table 1

Discipline	Total FY 2010	10/1/10 - 12/31/10	1/1/11 – 3/31/11	4/1/11 – 6/30/11	7/1/11 – 9/30/11	Total FY 2011	National Data
Safety	138.65 Days	72.42 Days	126.66 Days	142.81 Days	113.41 Days	119.28 Days	51.9 Days
Health	84.95 Days	44.50 Days	64.50 Days	47.50 Days	42.33 Days	48.88 Days	64.8 Days

Source: State Activity Mandated Measures (SAMM) Report

The health performance is better then the national average, however, the safety performance is very poor. CONN-OSHA is currently training two new compliance officers. The experienced compliance officers have been taxed with training the new employees. Also, a double fatality that occurred in the latter part of FY 2010 required an extensive amount of resources that carried over into the current fiscal year. All of these factors have undoubtedly contributed to the higher than expected lapse days from inspection to citation.

CONN-OSHA supervisory staff will continue to utilize all tools at its disposal to monitor the performances of all compliance officers to assure acceptable performances. However, until the new staff members are fully trained some performance indicators will continue to suffer.

### PUBLIC SECTOR CONSULTATION TURNAROUND TIME

Public Sector consultation turnaround time has been another long-standing issue at CONN-OSHA. Table 2 shows the average days between closing conference and written report for Public Sector consultations.

The original source for these statistics had been the Consultation Activity Measures (CAM) report, CAM Measure 9, "Average Days between Closing Conference and Written Report". However, starting in the first quarter FY '02, Federal OSHA no longer produced and distributed the CAM Report to the states. Therefore, to measure performance on this item, CONN-OSHA is now using a state developed ACE report. This report has been used by the state for many years to monitor performance on the average number of days between closing conference and written report. By utilizing the ACE report in this manner, Connecticut has been able to track performances on an ongoing basis, rather than relying on just the quarterly performance figures previously supplied by the CAM.

Table 2 below shows the performance for safety and health for fiscal years 2010 and 2011.

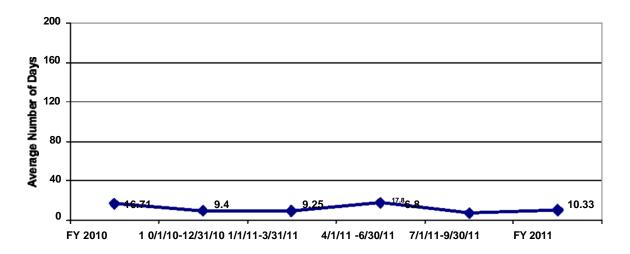
Table 2

Type of Visit	FY 2010		1/01/11 – 3/31/11	4/01/11 – 6/30/11	7/01/11 – 9/30/11	FY 2011
Safety	16.71 Days	9.40 Days	9.25 Days	17.80 Days	6.80 Days	10.33 Days
Health	21.19 Days	40.00 Days	13.08 Days	12.27 Days	22.81 Days	21.02 Days

Source: State developed ACE Report

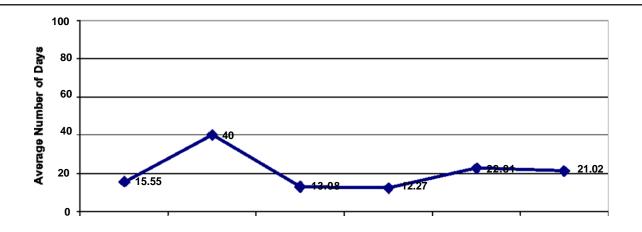
To demonstrate the results shown on Table 2 with greater clarity, they are presented in graphic format on the following pages. The first graph is for safety and the second is for health.

### **CONN-OSHA**



Average Days between Closing Conference and Written Report Public Sector Consultations Safety

Source: State Developed ACE Report



Average Days between Closing Conference and Written Report Public Sector Consultations Health

Source: State Developed ACE Report

The one safety consultant has achieved excellent results and is well below the standard of twenty days from closing conference to report issuance.

The health consultants' performance during the first quarter was skewed by one report that was issued by a former consultant who was promoted to project manager. This one outstanding report had been overlooked while he was assuming his managerial responsibilities. The health consultants' performance during the rest of the fiscal year returned to the level that management expects.

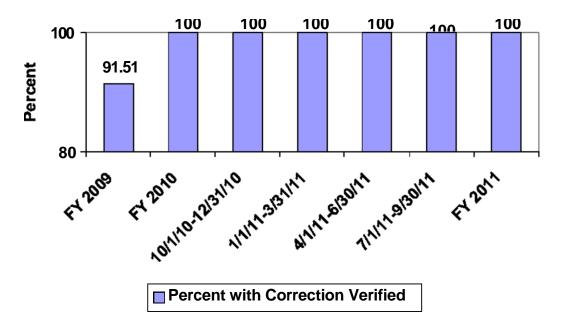
It is anticipated that both safety and health performances will achieve acceptable levels in the future. CONN-OSHA management will continue to use all tools at its disposal to monitor the performances of all public sector consultants to assure optimum achievement for both safety and health.

## ASSURANCE OF ABATEMENT OF HAZARDS IN PUBLIC SECTOR CONSULTATIONS

CONN-OSHA performance for assurance of abatement of hazards in public sector consultations is presented on the following pages in graphic format. Sources for these data are the Mandated Activity Report for Consultation (MARC), Item # 4A, reports for FY 2009, FY 2010 and FY 2011.

### Percent of Hazards with Correction Verified

Goal: 100 percent within fourteen days of latest correction due date



Source: Mandated Activity Measures for Consultation (MARC) report

The results for the fourth quarter of FY 2011 remained at the level we have come to expect. CONN-OSHA remains committed to maintaining performance on this measure and has achieved perfect results (100 percent of hazards verified as corrected within 14 days of the due date) for fiscal years 2010 and 2011. Staffing issues contributed to the poor results during fiscal year 2009. Management will continue to monitor this aspect of performance very closely. During FY '02, the Safety and Health Program Manager has initiated a procedure where all consultants are given a state developed ACE report every Friday. This report lists all establishments with hazard abatements due within ten days, thus enabling the consultants to contact the employers in advance to give them a "heads-up" that abatements are coming due. In addition, all safety and health consultants will continue to make extensive use of the "Uncorrected Hazards Report" for those hazards which are overdue. This report also allows consultants to monitor their own performances. Furthermore, CONN-OSHA management will continue to make the consultants aware of the importance of verifying hazard correction in a timely manner.

State: CONNECTICUT

RID: 0150900

	From: 10/01/2010	CURREN	Г		
MEASURE	To: 09/30/2011	FY-TO-DATI	REFERENCE	/STANDARD	
		1			
<ol> <li>Average number of days to initiate</li> </ol>	781	145	Negotiated	fixed number for each State	
Complaint Inspections	19.04	18.12			
	41	8			
2. Average number of days to initiate	59		Negotiated	fixed number for each State	
Complaint Investigations	9.83	İ	V-598		
	6		İ	*	
3. Percent of Complaints where	40	1 8	100%		
Complainants were notified on time	100.00				
	40	8			
4. Percent of Complaints and Referrals			100%		
responded to within 1 day -ImmDange			100%		
,	1 1				
5. Number of Denials where entry not					
obtained	0	"	U		
	i i	i i			
5. Percent of S/W/R Violations verifie	. ! !				
	*	; ;			
	i oi	i 0 i			
Private	i i	i i	100%		
	i oi	j 0 j			
	1 125				
Public	100.00		100%		
rubero	1 125		100%		
	i i	i i			
<ol> <li>Average number of calendar days from</li> </ol>		1 1			
Opening Conference to Citation Issue		!!!			
Safatu	4533		2631368		
Safety	119.28	i one i	51.9	National Data (1 year)	
	38	15	50667		
	440	· 1	768694		
Health		135.50	64.9	National Data (1 year)	
	9	1 61	11851		

\*FY11SAMM

\*\*PRELIMINARY DATA SUBJECT TO ANALYSIS AND REVISION

STATE ACTIVITY MANDATED MEASURES (SAMMs)

State: CONNECTICUT

MEASURE	From: 10/01/2010 To: 09/30/2011	CURREN		E/STANDARD
8. Percent of Programmed Inspections			 I	
with S/W/R Violations	i i		ĺ	
- 4 -	21			
Safety	72.41		:	National Data (3 years)
	:	: :	1 134000	
	. 0			
Health	į į	60.00	51.7	National Data (3 years)
	0	•	21111	
2. Average Violations per Inspection	: :		l I	
with Vioations			i	
	98	61	419483	
S/W/R	2.08			National Data (3 years)
	47	: :	198924	
	I 96 I		l 236781	
Other	2.04			National Data (3 years)
	47	21	198924	
. Average Initial Penalty per Serious	: :		   611441669	
Violation (Private Sector Only)	0		1680.4	National Data (3 years)
Trotation (Triviale Sector Silly)	i 0 i			national bata (5 years)
December of Water Comments	: :	"		
. Percent of Total Inspections in Public Sector	103     100.00		•	Data for this State (3 years)
m rabite decid	103	•		vata for tills state (5 years)
		İ	l	
Average lapse time from receipt of	. 0 !			
Contest to first level decision	I I	0	198.7   17820	National Data (3 years)
	: :	ľ	17020 	
. Percent of 11c Investigations	i oi		100%	
Completed within 90 days		İ	,	
	0	:		
. Percent of 11c Complaints that are	I I	1 0	l l 1513	
Meritorious		i	23.0	National Data (3 years)
	0	0	6592	-
. Percent of Meritorious 11c		1 0	   1326	
Complaints that are Settled	: :	"	87.6	National Data (3 years)
	0	:		
		i i		

CCNOMARC

DOL-OSHA-OMDS (RSCCOVER)

U. S. DEPARTMENT OF LABOR

12/05/11

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

CONSULTATION REPORT

KEEP THIS PAGE WITH THIS REPORT. IT CONTAINS IMPORTANT INFORMATION ABOUT

THE WAY CASES WERE SELECTED

TYPE OF REPORT: MANDATE ACTIVITIES

USER SELECTION NAME: 114PUB

REQUESTOR: OSH50404

FISCAL YEAR: 2011

QUARTER: 4

OWNERSHIP: PUBLIC

REGION: 01 AREA: 909 DISTRICT: 01

OSHA MARC REPORT

QUARTER: 4 FY: 2011

a0190901a

REPORT ENDING DATE: SEP 2011

## U. S. DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION MANDATED ACTIVITIES REPORT FOR CONSULTATION(MARC)

DEC 05, 2011 PAGE 1 OF 2

PROJECT NAME: Connecticut 01 PUBLIC SECTOR ...... MEASURE QUARTER FY-TO-DATE REFERENCE/STANDARD ...... TOTAL VISITS 16 | | 103 | 11 11 11 1. Percent of Initial Visits in Not Less than 90% 11 High Hazard Establishments 11 Number High Hazard Visits 10 | | 56 | Percent | 83.33 | | 65.88 | Number of Initial Visits 12 | | 85 I 11 11 2. Percent of Initial Visits to Not Less than 90% 11 Smaller Businesses 11 Initial Visits 12 | | 85 | 1.1 Visits <= 250 Employees in Estab 9 | 71 | 75.00 | | 83.53 | Percent Visits <= 500 Employees CB by Empr 7 | | 56 | 58.33 | | 65.88 | Percent 11 3. Percent of Visits where Consultant 11 100% Conferred with Employees 11 11 Initial Number with Empe Conferences 12 | | 85 | Percent |100.00 | |100.00 | Number of Initial Visits 12 | 85 | 11 11 Follow-Up 1 | | |100.00 | |100.00 | Number with Empe Conferences Percent 1 | | Number of Follow-Up Visits 11  $\mathbf{I}$ Training & Assistance Visits with -11 Compliance Assistance ONLY Number with Empe Conferences 0 | | Percent IINumber of T&A Visits 0 1 1 0 | 11 \*\*PRELIMINARY DATA SUBJECT TO ANALYSIS AND REVISION

OSHA MARC REPORT a0190901a
REPORT ENDING DATE: SEP 2011 QUARTER: 4 FY: 2011

U.S. DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION MANDATED ACTIVITIES REPORT FOR CONSULTATION(MARC) DEC 05, 2011

PAGE 2 OF 2

PROJECT NAME: Connecticut

01

PUBLIC SECTOR

MEASURE	QUARTER	FY-TO-DAT	REFERENCE/STANDARD
A Thru 4D based on Closed Cases ONLY			
A INFO 40 based on closed cases ONLY		! !	
A. Percent of Serious Hazards Verified			100%
Corrected in a Timely Manner	-		
(<=14 Days of Latest Correction Due Date)			
Number Verified Timely	84		
Percent	95.45		
Total Serious Hazards	88		
Number of Serious Hazards Verified	84	249	
Corrected:	-		•
On-Site		3	
Within Original Time Frame	56		
Within Extension Time Frame	   27		
	İ		
Within 14 Days of Latest	1	6	
Correction Due Date	-		
B. Percent of Serious Hazards NOT Verified	ļ		
Corrected in a Timely Manner (> 14 days	i	ii	
after Latest Correction Due Date)	į		
Number NOT Verified Timely	4		
Percent	4.55	1.58	
Total Serious Hazards	88		
C. Percent of Serious Hazards Referred	į		
to Enforcement	i		
Number Referred to Enforcement	0		
Percent Total Serious Hazards	00.   88	: :	
Total Serious nazarus		253	
D. PERCENT OF SERIOUS HAZARDS VERIFIED	!		65%
CORRECTED (IN ORIGINAL TIME OR ONSITE)			
NUMBER VERIFIED	56		
Percent	63.64	: :	
Total Serious Hazards	88	253	

Number of Serious Hazards Verified	56	159	
CORRECTED (IN ORIGINAL TIME OR ONSITE)	į		
On-Site	0	3	
Within Original Time Frame	56	156	
5. Number of Uncorrected Serious Hazards with Correction Date > 90 Days Past Due	-		0
(Open Cases for last 3 Years, excluding	į		
Current Quarter)	ł		

<sup>\*\*</sup>PRELIMINARY DATA SUBJECT TO ANALYSIS AND REVISION

a0190901a	TOTAL VISITS FOR CURRENT QUARTER (OPEN VISIT DATE)

PAGE 1

REPORT-ID	OWNER	REQUEST-NR	VISIT-NR	OPEN VISIT	VTYPE	CORR-DATE	VERIFY-DATE	ITEM-NR	CONSULT-ID	JOB-TITLE
0190901	PUB	804911527	505962381	20110711	F	00000000	00000000	000	T6280	S
0190901	PUB	804912020	505962308	20110706	I	00000000	00000000	000	X3027	н
0190901	PUB	804912202	505962506	20110720	I	00000000	00000000	000	R0149	н
0190901	PUB	804912228	505962522	20110714	I	00000000	00000000	000	R0149	Н
0190901	PUB	804912269	505962571	20110720	I	00000000	00000000	000	T6280	S
0190901	PUB	804912293	505962613	20110727	T	00000000	00000000	000	T6280	S
0190901	PUB	804912343	505962662	20110804	I	00000000	00000000	000	R0149	н
0190901	PUB	804912467	505962787	20110822	I	00000000	00000000	000	x3027	Н
0190901	PUB	804912962	505963215	20110929	T	00000000	00000000	000	R0149	н
0190901	PUB	804913184	505963504	20110930	I	00000000	00000000	000	R0149	н
0190901	PUB	804912178	505962498	20110715	I	00000000	00000000	000	X3027	Н
0190901	PUB	804912319	505962621	20110728	I	00000000	00000000	000	X3027	н
0190901	PUB	804912400	505962738	20110727	T	00000000	00000000	000	T6280	S
0190901	PUB	804912608	505962829	20110907	I	00000000	00000000	000	R0149	н
0190901	PUB	804912632	505962852	20110825	I	00000000	00000000	000	T6280	s
0190901	PUB	804912970	505963223	20110913	I	00000000	00000000	000	T6280	S

\*\*\*\*\*\*\* 16

a0190901a					HAZARDS NOT VERIFIED TIMELY (MEASURE 4B)							PAGE	1
	REPORT-ID	OWNER	REQUEST-NR	VISIT-NR	OPEN VISIT	VTYPE	CORR-DATE	VERIFY-DATE	ITEM-NR	CONSULT-ID	JOB-TITLE		
	0190901	PUB	804283067	505262923	20091123	I	20110425	20110701	007	T6280	s		
	0190901	PUB	804283067	505262923	20091123	I	20110425	20110701	800	T6280	s		
	0190901	PUB	804283067	505262923	20091123	I	20110425	20110701	011	T6280	s		
	0190901	PUB	804283067	505262923	20091123	I	20110425	20110701	021	T6280	s		
******	OTAL *****		4										